

3.1 Practice A

Identify the terms, coefficients, and constants in the expression.

1. $3 + c + e$

Terms:

Coefficients:

Constants:

2. $5m + 9$

Terms:

Coefficients:

Constants:

3. $3p^2 + 7$

Terms:

Coefficients:

Constants:

Evaluate the expression when $c = 4$, $d = 6$, and $e = 10$. Show your substitution and thinking.

4. $7d$

5. $c + d$

6. $15 - d$

7. $10 \cdot e$

8. $\frac{24}{c}$

9. $9 + e$

10. $16 \div c$

11. $30d$

12. $\frac{60}{d}$

Evaluate the expression when $m = 5$ and $n = 8$. Show your substitution and thinking. Remember order of operations and show each step.

13. $4m - 7$

14. $4n - 3m$

15. $\frac{6m}{n - 3}$

16. Describe and correct the error in evaluating the expression when $m = 10$.

\times	$3m - 6 = 3 \cdot 10 - 6$
	$= 3 \cdot 4$
	$= 12$

17. Twenty-five students go to lunch. Pizza costs \$3 and sandwiches cost \$2. Twelve students buy pizza. What is the total amount of money spent on sandwiches?
18. Each student in your class must do 14 homework problems. There are 23 students in the class. How many problems will your teacher have to grade?
19. A summer job pays \$5 per hour.
- You work for 12 hours. How much do you make?
 - After working 24 hours, do you have enough money to buy an MP3 player that costs \$100?
20. You can read 52 pages per hour.
- You read for an hour and a half. How many pages have you read?
 - You must read 130 pages for homework. Can you complete the assignment in two hours? Explain your reasoning.